

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		Attorney Docket No. 8022-1080 U.S. Application No. 107516821
INTERNATIONAL APPLN. NO. PCT/JP03/008245	INTERNATIONAL FILING DATE June 27, 2003	PRIORITY DATE CLAIMED June 28, 2002
TITLE OF INVENTION: THERMO-OPTIC PHASE SHIFTER AND MANUFACTURING METHOD OF THE SAME		
APPLICANT(S) FOR DO/EO/US: Morio TAKAHASHI		
Applicant herewith submits to the United States Designated Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. See attached PCT/IB/308. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made, however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) or a Declaration of Inventorship for purposes of U.S.A. designation pursuant to rule 4.17(iv). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS) w/PTO-1449 - <input checked="" type="checkbox"/> Copy of IDS citations. 12. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)). 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application (35 U.S.C. 154(d)(4)). 20. <input checked="" type="checkbox"/> Other items or information: <u>Abstract, International Search Report</u> 		

U.S. APPLICATION NO. 10/51682		INTERNATIONAL APPLN. NO. PCT/JP03/008245	ATTORNEY DOCKET NO. 8022-1080
<p><input checked="" type="checkbox"/> The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1)-(5)):</p> <p>Neither international preliminary examination fee nor international search fee paid to USPTO and international Search Report not prepared by the EPO or JPO \$1110.00</p> <p>International preliminary examination fee not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00</p> <p>International preliminary examination fee not paid to USPTO but International search fee paid to USPTO \$790.00</p> <p>International preliminary examination fee paid to USPTO but all claims did not satisfy provision of PCT Article 33 (1)-(4)..... \$750.00</p> <p>International preliminary examination fee paid to USPTO and all claims satisfied provision of PCT Article 33 (1)-(4)..... \$100.00</p>			CALCULATIONS PTO USE ONLY
ENTER APPROPRIATE BASIC FEE AMOUNT			\$ 950.00
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20- <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e))			\$
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total Claims	37 - 20 =	17	x \$18.00
Independent Claims	7 - 3 =	3	x \$88.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$300.00
TOTAL OF ABOVE CALCULATION =			\$ 1,608.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.			\$
SUBTOTAL =			\$ 1,608.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).			\$
TOTAL NATIONAL FEE =			\$ 1,608.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) \$40.00 per property +			\$ 40.00
TOTAL FEES ENCLOSED =			\$ 1,648.00
			Amount to be refunded: \$
			Charged: \$
<p><input checked="" type="checkbox"/> A check in the amount of <u>\$1,648.00</u> to cover the above fees is attached.</p> <p><input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account No. 25-0120 in the name of Young & Thompson. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.</p>			
SEND ALL CORRESPONDENCE TO: YOUNG & THOMPSON 745 South 23 rd Street Arlington, VA 22202 Telephone (703) 521-2297		 SIGNATURE Benoit Castel, Reg. No. 35,041 NAME, REGISTRATION NUMBER December 7, 2004 DATE	
Y&T Customer No. 00466			
BC/yr			